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DATE: January 8, 2001
TO: Examiner Slobodyanski
COMPANY: USPTO
FAX NO.: 703-308-4242
TELEPHONE NO.: 703-306-3222
FROM: P. Ben-Wang
OUR REF. NO.: PF-0148-3 CPA
YOUR REF. NO.: 09/415,540
PAGES : 5

Please see the attached.

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I hereby certify that this paper is being facsimile transmitted to the attention of Examiner Slobodvanski, E., Group Art Unit 1652, U.S. Patent and Trademark Office to Facsimile No. 703-308-4242 on the date shown below.

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CONTINUED PROSECUTION APPLICATION (CPA) REQUEST TRANSMITTAL (Large Entity) (Only for Continuation or Divisional Applications Under 37 CFR 1.53(d))					
First Named Inventor		Total Pages		Docket No.	
Phillip R. Hawkins		Two (2)		PF-0148-3 CPA	
Address to: Commissioner for Patents Box CPA Washington, D.C. 20231					
This is a request for filing a <input checked="" type="checkbox"/> continuation <input type="checkbox"/> divisional application under 37 CFR 1.53(d), (continued application (CPA)) of prior application number 09/415,540 filed on October 8, 1999, and entitled: NOVEL HUMAN PYROPHOSPHATASE					
1. <input type="checkbox"/>	Enter the unentered amendment previously filed on _____ Under 37 CFR 1.116 in the prior nonprovisional application.				
2. <input checked="" type="checkbox"/>	A preliminary amendment is enclosed (2 pp.)				
3. <input type="checkbox"/>	This application is being filed by less than all the inventors named in the prior application. In accordance with 37 CFR 1.53(d), the Commissioner is requested to delete the name(s) of the following person or persons who are named as inventors in the prior nonprovisional application but are not inventors of the invention being claimed in this application:				
01/09/2001 01:00:00	0000 0000 0000 0000	710.00			
4. <input type="checkbox"/>	A new power of attorney is enclosed.				
5. <input type="checkbox"/>	An Information Disclosure Statement (IDS) is enclosed: a. <input type="checkbox"/> PTO-1449 b. <input type="checkbox"/> Copies of IDS Citations				
6. <input checked="" type="checkbox"/>	The fee for this application is calculated as follows:				
CLAIMS AS FILED					
Claims	Number Filed	Minor	Number Extra	Other Than Small Entity Rate	Basic Fee
Total Claims	5	-20	0	x \$18	\$0
Indep. Claims	1	-3	0	x \$80	\$0
Multiple Dependent Claim(s), if any					\$
					+ \$270
TOTAL FILING FEE					\$ 710.00

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Docket No. PF-0148-3 CPA

7. <input checked="" type="checkbox"/>	<p>GROUP 1600</p> <p>The Commissioner is hereby authorized to charge Deposit Account No. <u>09-0108</u> in the amount of \$ <u>710.00</u></p>
8. <input checked="" type="checkbox"/>	<p>The Commissioner is hereby authorized to credit overpayments or charge the following fees to Deposit Account No. <u>09-0108</u></p> <p><input checked="" type="checkbox"/> fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> fees required under 37 C.F.R. 1.17. <input checked="" type="checkbox"/> fees required under 37 C.F.R. 1.18</p>
9. <input type="checkbox"/>	<p>Also enclosed:</p>
10. <input checked="" type="checkbox"/>	<p>The prior application's correspondence address will carry over to this CPA UNLESS a new correspondence address is provided below:</p>
<p>This transmittal is being submitted in duplicate for fee processing.</p>	
<p>Dated: <u>January 8</u>, 2001</p> <p>_____ Signature</p> <p><u>P. Ben Wang, J.D.</u> Typed or printed name</p> <p><u>41,420</u> Registration Number (if applicable)</p> <p><input checked="" type="checkbox"/> Inventor(s) <input checked="" type="checkbox"/> Assignee of complete interest <input checked="" type="checkbox"/> Attorney or agent of record</p>	

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hawkins et al.

Title: HUMAN PYROPHOSPHATASE

Serial No.: 09/415,540

Filing Date: October 8, 1999

Examiner: Slobodyansky, E.

Group Art Unit: 1652

Box CPA
Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination of the above-identified Continued Prosecution Application, the request for which is attached, please amend the specification as follows:

IN THE CLAIMS

Please amend claim 19 as indicated below. For the Examiner's convenience, the non-amended pending claims are also listed below.

18. (Reiterated) The method of claim 20, wherein before hybridization, the target polynucleotide is amplified by the polymerase chain reaction.

19. (Twice amended) An isolated polynucleotide selected from the group consisting of:
a) a polynucleotide sequence of SEQ ID NO:2,
b) a naturally-occurring human polynucleotide sequence variant encoding an amino acid sequence having at least 90% sequence identity to the sequence of SEQ ID NO:1 and
c) a polynucleotide sequence complementary to a) or b).

20. (Reiterated) A method of detecting a target polynucleotide in a sample, said target polynucleotide having the sequence of a polynucleotide of claim 19, comprising